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/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone_image="599800"
/clone_lib="Life Tech mouse embryo 15 5dpc 10667012"
/tissue_type="embryo"
/dev_stage="15.5dpc embryos"
/lab_host="DH10B"
/notes="Organ: whole embryo; Vector: PCMV-SPORT2; Site: 1;
SalI; Site: 2; NotI; Cloned unidirectionally. Primer:
O1190 dt. 15.5dpc embryos. PCMV-SPORT2 vector."

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BASE COUNT	3	a	0	c	15	g	17	t
ORIGIN								
Query Match	0.7%;	Score 31;	DB 13;	Length 35;				
Best Local Similarity	100.0%;	Pred. No. 0.00059;						
Matches 31;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;				
Oy 3852	tgctgtgtgtatgtgtgtgtgtgtgtgtgtgtgt	3882						
Db 1	tgctgtgtgtatgtgtgtgtgtgtgtgtgtgt	31						
RESULT 3								
A2384928	48	bp	DNA	GSS	02-OCT-2000			
LOCUS								
DEFINITION	M0143110F Mouse 10kb plasmid UNGC1M library Mus musculus genomic							
ACCESSION	clone UNGC1M0143110 F, DNA sequence.							
VERSION	A2384928							
KEYWORDS	A2384928.1 GI:10498628							
SOURCE	GSS.							
ORGANISM	house mouse.							
	Mus musculus							
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;							
	Mammalia; Eutheria; Rodentia; Sclurognath; Muridae; Murinae; Mus.							
REFERENCE	1 (bases 1 to 48)							
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly, 'M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A. and Wright,D., Weiss,R.							
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts							
JOURNAL	Unpublished (2000)							
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SIC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: rdunn@genetics.utah.edu Insert Length: 10000 Std Error: 0.00 Plate: 0143 row: I column: 10 Seq Primer: CGTGTAAACGACGGCCACG Class: plasmid ends High quality sequence stop: 48. Location/Qualifiers 1. 48 /organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10090" /clone="UNG1M0143110" /clone_1lb="Mouse 10kb plasmid UNGC1M library" /sex="Male" /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA							
FEATURES								
SOURCE								

BASE COUNT	15 a	14 c	0 g	1 t
ORIGIN				

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QY      3849 gtgtgtagtgcgtatgctgtgtgtgt 3876
          |||||
Db       30 GTGTGTTGTGTATGTGTGTGT 3
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VERSION	AZ857946.1	GI:13050609
KEYWORDS	GSS.	
SOURCE	house mouse,	
ORGANISM	Mus musculus	

REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciuromorphi; Muridae; Mus. 1 (bases 1 to 37)	Dunn, D., Aoyagi, A., Barber, M., Baacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiser, R.	Mouse whole genome scaffolding with paired end reads from 10kb	Plasmid Inserts	Unpublished (2000)
	Contact: Robert B. Weiss			

JOURNAL
COMMENT

plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLG, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0162 row: M column: 19
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 37.
Location/Qualifiers
1. .37

FEATURES
source

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/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGGCM20152M19"
/clone_11b="Mouse 10kb plasmid UGCM library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold,  $\pi$ -resistant, F-"
/note="Vector: pMD44-8: Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson laboratory Mouse DNA Resource

```

BASE COUNT	1 a	0 c	18 g	18 t
ORIGIN				

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Oy      3849 gctgtgtgtgtgtatgtagtgtgtgtgt 3876
          |||||
Db       1 GTGTGTGTGTGTATGTGTGTGTGT 28
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VERSION	AZ808181.1	GI:12973460
KEYWORDS	GSS.	
SOURCE	house mouse.	
ORGANISM	Mus musculus	

REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Scuriognathi; Muridae; Mus.
AUTHORS	1 (bases 1 to 40) Dunn,D., Aoyagi,A., Barber,M., Baatcorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly ,M., Rose,M., Rose,R., Stokes,R., Tinger,A., von Niederhausern,A. & Wright,D., Weiss,R.
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL	Unpublished (2000)
COMMENT	Contact: Robert B. Weiss

```

TITLE
Mouse whole genome scaffolding with paired end reads from 10xb

JOURNAL
Plasmid inserts
Unpublished (2000)

COMMENT
Contact: Robert B. Weiss
University of Utah
University of Utah
Km. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLc, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0071 row: A column: 18
Seq primer: CACACAGAAACACACTGTGACC
Class: plasmid ends
High quality sequence stop: 40.
Location/Qualifiers
1..40
FEATURES
source

```

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1..40
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U06C2M0071A18"
/clone_1kb="Mouse 10kb plasmid U06C1M library"
/sex="Male"
/lab_host="E. Coli strain XL10-gold,  $\pi$ -resistant, F-"/
note="Vector: pMD4my. Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson

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/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUCG1M015917"
/clone_1b="Mouse 10kb plasmid UUCG1M library"
/sex="Male"
lab_host="E. Coli strain XL10-Gold, T1-resistant, F-
negative-Vector: PMD42nv; Purified genomic DNA from M.

```

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/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U96C2M01A9P09"
/clone_1ib="Mouse 10kb plasmid U96C1M library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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1. .44
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="U08C1M0498P07"
/clone_1kb="Mouse 10kb plasmid U08C1M library"
/sex="Male"
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location/Qualifiers
1. 49
/organism="Mus musculus"
/strain="C3H"
/db_xref="taxon:10090"
/clone="IMAGE:1121869"
/clone_11b="Barstead mouse myotubes MPRB5

```


/cell_line="C2C12"
/lab_host="DH10B"
/note="Vector: pT73D-Pac (Pharmacia) with a modified
polylinker. Site_1: EcoRI; Site_2: NotI; 1st strand cDNA
was primed with a Not I - Oligo(dT) primer (5'
TGTACGATCTGAGAGGAGCGCGCCCTTTTCTTTTCTTTTCTTTT
3'); double-stranded cDNA was ligated to Eco RI adaptors
[AATTCGATCCTTG], digested with Not I and cloned into the
Not I and Eco RI sites of the modified pT73D vector.
Library constructed by Bob Barstead. The C2C12 cell line
(available from ATCC, catalog # CRL-1172) differentiates
rapidly, forming contractile myotubes and producing
characteristic muscle proteins."

BASE COUNT

5 a 14 c 13 g 17 t

ORIGIN

Query Match 0.68; Score 26; DB 10; Length 49;
Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3092 ttccaccctggcgaggttgctcaagt 3117
|||||
Db 8 TTCACCTGGCGAGCTTGTCATCT 33

RESULT 12

A2866837 29 bp DNA GSS 21-FEB-2001
LOCUS A2866837
DEFINITION 2M0177021F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0177021 F, DNA sequence.
ACCESSION A2866837
VERSION A2866837.1 GI:13068543
KEYWORDS GSS.
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 29)
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
'M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A.
and Wright, D., Weiss, R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah
Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0177 row: 0 column: 21
Seq primer: CGTTGTAAACGACGCGCAGT
Class: plasmid ends
High quality sequence stop: 29.

FEATURES

SOURCE

1. 29

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0177021"

/clone_11b="Mouse 10kb plasmid UUGC1M library"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"

/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

BASE COUNT

3 a 0 c 12 g 14 t

ORIGIN

Query Match 0.68; Score 25; DB 13; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3852 tctgtgtgtgtgtgtgtgtgtgtgtgtgt 3876
|||||
Db 3 TGTGTGTGTGTGTGTGTGTGTGTGTGT 27

RESULT 13

A2447539 38 bp DNA GSS 04-OCT-2000
LOCUS A2447539
DEFINITION IM0244E14R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0244E14 R, DNA sequence.
ACCESSION A2447539
VERSION A2447539.1 GI:10599435
KEYWORDS GSS.
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 38)
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
'M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A.
and Wright, D., Weiss, R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah
Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0244 row: E column: 14
Seq primer: CACACAGGAAACGATGACCC
Class: plasmid ends
High quality sequence stop: 38.
Location/Qualifiers

FEATURES

SOURCE

1. 38

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0244E14"

/clone_11b="Mouse 10kb plasmid UUGC1M library"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"

/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA

(<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adsorbed DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (41473211419b1AF123072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT	2 a	11 c	13 g	17 t
ORIGIN				

Query Match	0.68;	Score 25;	DB 13;	Length 43;
Best Local Similarity	100.0%;	Pred. No. 0.55;		
Matches 25;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

```
QY      3852 tgttgttgttcatttgttgttgtt 3876
          |||||
Db       8 TGTGTGTGTATGTTGTGTGTCT 32
```

RESULT 15

LOCUS	44 bp	DNA	GSS	02-OCT-2000
DEFINITION	1M0122602F	Mouse 10kb plasmid	UUGC1M library	Mus musculus genomic
	clone UUGC1M0122602 F,	DNA sequence.		

ACCESSION
VERSION

ORGANISM

REFERENCE AUTHORS	
Dunn, D., Aoyagi, A.,	Barber, M., Beacorn, T., Duval, B., Hamill, C.,
1 (bases 1 to 44)	
Eukaryota; Metazoa;	Chordata; Vertebrata; Mammalia; Eutheria;
Mammalia; Rodentia;	Schirognathii; Muridae; Murinae; Mus

<p>JOURNAL TITLE Mouse whole genome scaffolding with paired end reads</p>	<p>2006 2006 2006</p>
<p>COMMENT plasmid inserts unpublished (2000) Contact: Robert B. Weiss</p>	<p>2006 2006 2006</p>

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel.: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert length: 10000 Std Error: 0.00
Plate: 0122 row: G column: 02
Seq primer: CGTGTAAACGACGCGCAGT
Class: plasmid ends
High quality sequence stop: 44.
location/Qualifiers
1. .44

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/ad_xref="taxon:10090"
/clone="UCUCM0122602"
/clone_1kb="Mouse 10kb plasmid UUCGM library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Ti-resistant, F-"
/note="Vector: PWD42IV; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson

```

musculus C57BL/6J (male) was obtained from the Jackson Laboratory DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (g11473211419b1ar129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance.

Query_Match	0.58;	Score 23;	DB 13;	Length 39;
Best Local Similarity	100.0%;	Pred. No. 5.3;		
Matches 23;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

RESULT	17
AZ355175	
LOCUS	AZ355175 42 bp DNA
DEFINITION	clon094d20R Mouse 10kb plasmid UUGCM library Mus musculus genomic
ACCESSION	AZ355175
VERSION	AZ355175.1 GI:10467323
KEYWORDS	GSS.

REFERENCE AUTHORS	TITLE
1 (bases 1 to 42)	
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duvall, B., Hamll, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Kelly, M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A. and Wright, D., Weiss, R.	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL
COMMENT
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0094 row: D column: 20
Seq primer: CACACAGAAACACACTATGACC
Class: plasmid ends
High quality sequence stop: 42.

```

FEATURES
source
location/Qualifiers
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/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUCG1M0094D20"
/clone_1lb="Mouse 10kb plasmid UUCG1M library"
/sex="Male"
/gen_host="C014 strain x10-0-02 T3 hybrid"

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```

RESULT 22
LOCUS      A2415089
DEFINITION  A2415089 21 bp DNA
            1M0189G17R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0189G17 R, DNA sequence.
ACCESSION  A2415089
VERSION    A2415089.1 GI:10539102
KEYWORDS   GSS.
SOURCE     house mouse.
ORGANISM   Mus musculus
            Eumariota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE  1 (bases 1 to 21)
AUTHORS   Dunn,D., Acyag,I.A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmood,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D., Weiss,R.R.
            Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
TITLE      Unpublished (2000)
COMMENT    Contact: Robert B. Weiss
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SIC, UT
            84112, USA
            Tel.: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plate: 0189 row: G column: 17
            Seq primer: CACACAGCAACACGTAGACC
            Class: Plasmid ends
            High quality sequence stop: 21.
FEATURES   Location/Qualifiers
            1..21
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                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0189G17"
                /clone_1lb="Mouse 10kb plasmid UUGC1M library"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
                /note="Vector: PWD42nv; purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                (http://www.jax.org/resources/documents/dnares/). The DNA
                was hydrodynamically sheared by repeated passage through a
                0.005 inch orifice at constant velocity. The sheared DNA
                was blunt end-repaired with T4 DNA polymerase and T4
                polynucleotide kinase. Adaptor oligonucleotides were
                ligated to the blunt ends in high molar excess. The
                adapted DNA was purified and size-selected for a 9.5 to
                10.5 kb range using preparative agarose gel
                electrophoresis. Vector DNA was prepared from a derivative
                of pMD42 (g14732114[gb|AF129072.1], a copy number
                inducible derivative of plasmid R1. The vector was ligated
                with adaptors complementary to the insert adaptors and
                purified. The sheared, adapted mouse DNA was annealed to
                adapted vector DNA, and transformed into
                chemically-competent E. coli XL10-Gold (Stratagene) cells
                and selected for ampicillin resistance."
BASE COUNT 1 a          0 c          10 g          10 t
ORIGIN

```

	Query Match	0.58;	Score 21;	DB 13;	Length 21;	
	Best Local Similarity	100.0%;	Pred. No. 48;			
	Matches 21; Conservative	0;	Mismatches	0;	Gaps	0;
OY	3849	gttgtgctgtgtatcgtg	3869			

Db 1 GTGTGTCGTGTCATGTCGTG 21

RESULT 23

LOCUS A2766498 25 bp DNA GSS 16-FEB-2001

DEFINITION 1M0564E08F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0564E08 F, DNA sequence.

ACCESSION A2766498

VERSION A2766498.1 GI:12883635

SOURCE house mouse.

ORGANISM Mus musculus

KEYWORDS Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 25)

AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamill,C., Islam,H., Longacre,S., Mahmood,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tinney,A., von Niederhausern,A., and Wright,D., Weis,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)

COMMENT Contact: Robert B. Weis
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0564 Row: E Column: 08
Seq primer: GGTGTAAACGACGCCACG
Class: plasmid:ends
High quality sequence stop: 25.

FEATURES

source location/Qualifiers

1. 25.

/organism="Mus musculus"

/strain="C57Bl/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0564E08"

/clone.lib="Mouse 10kb plasmid UUGC1M library"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"

/note="Vector: pMD42nv; Purified genomic DNA from M. musculus C57Bl/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (g11473211419b1AF129072.1), a copy-number ligated inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 2 a 0 c 11 g 12 t

ORIGIN

Query Match 0.5%; Score 21; DB 13; Length 25;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 21; Conservative 0; Mismatches 0;
Gaps 0;
QY 3856 tctgtgtatgtctgtgtgtgt 3876

Db 1 TGTGTGTATGTGTGTGTGTGTGTGT 21

RESULT 24

A2588176 39 bp DNA GSS 13-DEC-2000
LOCUS 1M0396M11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION clone UUGC1M0396M11 F, DNA sequence.
ACCESSION A2588176
VERSION A2588176.1 GI:11710282
KEYWORDS GSS.
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 39)
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamli, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
Rm 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0396 row: M column: 11
Seq primer: CGTTGTAAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 39.

FEATURES

Location/Qualifiers
1..39
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0396M11"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv, Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g1147321141gblaf129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

6 a 0 c 13 g 20 t

Query Match 0.5%; Score 21; DB 13; Length 39;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 3854 tctgtgtatgtgtgtgtgtgtgtgt 3874
Db 9 TGTGTGTATGTGTGTGTGTGTGTGT 29

RESULT 25

A2993115 48 bp DNA GSS 27-APR-2001
LOCUS 2M0278G04F Mouse 10kb plasmid UUGC2M library Mus musculus genomic
DEFINITION clone UUGC2M0278G04 F, DNA sequence.
ACCESSION A2993115
VERSION A2993115.1 GI:13864342
KEYWORDS GSS.
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 48)
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamli, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R.
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COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
Rm 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0278 row: G column: 04
Seq primer: CGTTGTAAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 48.

FEATURES

Location/Qualifiers
1..48
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0278G04"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv, Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g1147321141gblaf129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

5 a 2 c 21 g 20 t

Query Match 0.5%; Score 21; DB 13; Length 48;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3856 tctgtgtatgtctgtgt 3876
 |||||
 DB 18 TGTGTATGTGTGTGTGT 38

RESULT 26
 AZ487721 46 bp DNA GSS 05-OCT-2000
 LOCUS 1M0317N04R Mouse 10kb plasmid UGCG1M library Mus musculus genomic
 DEFINITION clone UGCG1M0317N04 R, DNA sequence.
 ACCESSION AZ487721
 VERSION AZ487721.1 GI:10655728
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
 1 (bases 1 to 46)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Rilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
 and Wright, D., Weiss, R., 2000. Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts

TITLE
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL
 COMMENT Unpublished (2000)
 Contact: Robert B. Weiss
 University of Utah Genome Center
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: dunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0317 row: N column: 04
 Seq primer: CACACAGGAAACAGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 46.
 Location/Qualifiers

FEATURES
 source 1..46
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UGCG1M0317N04"
 /clone_11b="Mouse 10kb plasmid UGCG1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PMD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PMD42 (g11473211419b1AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 22 a 17 c 1 g 6 t
 ORIGIN

Query Match 0.5%; Score 20; DB 13; Length 46;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3851 gtgtgtgtgtgtgtgt 3870
 |||||
 DB 32 GTGTGTGTGTGTGTGTGT 13

RESULT 27
 AZ482421 20 bp DNA GSS 04-OCT-2000
 LOCUS 1M0307P01R Mouse 10kb plasmid UGCG1M library Mus musculus genomic
 DEFINITION clone UGCG1M0307P01 R, DNA sequence.
 ACCESSION AZ482421
 VERSION AZ482421.1 GI:10643486
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
 1 (bases 1 to 20)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Rilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
 and Wright, D., Weiss, R., 2000. Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts

TITLE
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL
 COMMENT Unpublished (2000)
 Contact: Robert B. Weiss
 University of Utah Genome Center
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: dunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0307 row: P column: 01
 Seq primer: CACACAGGAAACAGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 20.
 Location/Qualifiers

FEATURES
 source 1..20
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UGCG1M0307P01"
 /clone_11b="Mouse 10kb plasmid UGCG1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PMD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PMD42 (g11473211419b1AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 1 a 0 c 9 g 10 t
 ORIGIN

Query Match 0.5%; Score 19; DB 13; Length 20;

Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 3849 gtgtgtgtgtgtgtgtgt 3867
|||||
Db 2 GGTGTGTGTGTGTGTGTGT 20

RESULT 28
A2442363 27 bp DNA GSS 03-OCT-2000
LOCUS
DEFINITION IM035B17F Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGCIM035B17 F, DNA sequence.
ACCESSION A2442363
VERSION A2442363.1 GI:10566376
KEYWORDS
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniala; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 27)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamli, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Rellily
, M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A.
and Wright, D., Weis, R.
Mouse whole genome scaffolding with paired end reads from 10kb
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TITLE Unpublished (2000)
JOURNAL
COMMENT Contact: Robert B. Weiss
University of Utah
Blm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert length: 10000 Std Error: 0.00
Plate: 0236 row: B column: 17
Seq primer: CGTGTGTAACGACGCGCCACT
Class: plasmid ends
High quality sequence stop: 27.

FEATURES

location/Qualifiers
1..27
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGCIM035B17"
/clone_1lb="Mouse 10kb plasmid UUGCIM library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: pMDA2nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pMD42 (g114732114[gb]/AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

BASE COUNT
ORIGIN

12 a 14 c 1 g 0 t

Query Match 0.5%; Score 19; DB 13; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 3844 tttgtgtgtgtgtgtgtgt 3862
|||||
Db 24 TGTGCTGTGTGTGTGTGT 6

RESULT 29
A2509672 34 bp DNA GSS 05-OCT-2000
LOCUS
DEFINITION IM0352A18R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGCIM0352A18 R, DNA sequence.
ACCESSION A2509672
VERSION A2509672.1 GI:10690988
KEYWORDS
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniala; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 34)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamli, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Rellily
, M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A.
and Wright, D., Weis, R.
Mouse whole genome scaffolding with paired end reads from 10kb
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TITLE Unpublished (2000)
JOURNAL
COMMENT Contact: Robert B. Weiss
University of Utah
Blm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert length: 10000 Std Error: 0.00
Plate: 0352 row: A column: 18
Seq primer: CACACAGAAACGACGTATGACC
Class: plasmid ends
High quality sequence stop: 34.

FEATURES

location/Qualifiers
1..34
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGCIM0352A18"
/clone_1lb="Mouse 10kb plasmid UUGCIM library"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: pMDA2nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pMD42 (g114732114[gb]/AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

BASE COUNT
ORIGIN

0 a 1 c 17 g 16 t

Query Match 0.5% Score 19; DB 13; Length 34;
 Best Local Similarity 100.0%; Pred. No. 4.9e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3844 tctgcgtgtgtgtgtgtgt 3862
 ||||||||||||||||||
 DB 9 TGTGCGTGTGTGTGTGTGT 27

RESULT 30

A2771845 34 bp DNA GSS 16-FEB-2001
 LOCUS A2771845
 DEFINITION 1M0574M1AF Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC1M0574M14 F, DNA sequence.

ACCESSION A2771845
 VERSION A2771845.1 GI:12894532

KEYWORDS GSS.
 SOURCE house mouse.

ORGANISM

Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 34)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
 and Wright, D., Weis, R.
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 plasmid inserts

TITLE

Unpublished (2000)

JOURNAL
 COMMENT Contact: Robert B. Weiss
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0574 row: M column: 14
 Seq primer: CGTTGTAAACGACGCCAGT
 Class: plasmid ends
 High quality sequence stop: 34.

FEATURES

source

Location/Qualifiers

1..34

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0574M14"

/clone_1lb="Mouse 10kb plasmid UUGC1M library"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/note="Vector: PMD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 ligated DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PMD42 (9114732114[gb]AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT
 ORIGIN

2 a 0 c 16 g 16 t

Query Match 0.5% Score 19; DB 13; Length 34;
 Best Local Similarity 100.0%; Pred. No. 4.9e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3855 gtgtgtgtgtgtgtgtgtgt 3873
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 DB 10 GTGTGTGTGTGTGTGTGTGT 28

RESULT 31

A2774656 34 bp DNA GSS 16-FEB-2001
 LOCUS A2774656
 DEFINITION 2M0004K10F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC2M0004K10 F, DNA sequence.

ACCESSION A2774656
 VERSION A2774656.1 GI:12900163

KEYWORDS GSS.
 SOURCE house mouse.

ORGANISM

Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 34)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
 and Wright, D., Weis, R.
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 plasmid inserts

TITLE

Unpublished (2000)

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 COMMENT Contact: Robert B. Weiss
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0004 row: K column: 10
 Seq primer: CGTTGTAAACGACGCCAGT
 Class: plasmid ends
 High quality sequence stop: 34.

FEATURES

source

Location/Qualifiers

1..34

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0004K10"

/clone_1lb="Mouse 10kb plasmid UUGC1M library"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/note="Vector: PMD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 ligated DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PMD42 (9114732114[gb]AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT
 ORIGIN

6 a 0 c 11 g 17 t

ORIGIN

Query Match 0.5%; Score 19; DB 13; Length 34;
 Best Local Similarity 100.0%; Pred. No. 4.9e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3858 tgcgtatgctgtgtgtgt 3876
 ||||||||||||||||
 DB 13 TGTGTATGTGTGTGTGT 31

RESULT 32

AZ462065 41 bp DNA GSS 04-OCT-2000
 LOCUS 1M026911F Mouse 10kb plasmid UNGC1M library Mus musculus genomic
 DEFINITION clone UNGC1M026911 F, DNA sequence.

ACCESSION AZ462065
 VERSION AZ462065.1 GI:10620190

KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 41)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamll, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A.
 and Wright, D., Weiss, R.
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 plasmid inserts
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TITLE Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL Unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah
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 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0269 row: L column: 11
 Seq primer: CGTGTAAACGACGCCACG
 Class: plasmid ends
 High quality sequence stop: 41.
 Location/Qualifiers

FEATURES

1..41
 Location/Qualifiers

/organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UNG1M026911"
 /clone_1lb="Mouse 10kb plasmid UNGC1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: pMD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pMD42 (g1147321149b/AP129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 0 a 3 c 20 g 18 t
 ORIGIN

Query Match 0.5%; Score 19; DB 13; Length 41;
 Best Local Similarity 100.0%; Pred. No. 5e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3844 tgcgcgtgtgtgtgtgt 3862
 ||||||||||||||||
 DB 9 TGTGCGTGTGTGTGTGT 27

RESULT 33

AZ491290 44 bp DNA GSS 05-OCT-2000
 LOCUS 1M0324H14R Mouse 10kb plasmid UNGC1M library Mus musculus genomic
 DEFINITION clone UNGC1M0324H14 R, DNA sequence.

ACCESSION AZ491290
 VERSION AZ491290.1 GI:10662850

KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 44)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamll, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tinney, A., von Niederhausern, A.
 and Wright, D., Weiss, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 Unpublished (2000)

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL Unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0324 row: H column: 14
 Seq primer: CACACAGAAACGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 44.
 Location/Qualifiers

FEATURES

1..44
 Location/Qualifiers

/organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UNG1M0324H14"
 /clone_1lb="Mouse 10kb plasmid UNGC1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: pMD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pMD42 (g1147321149b/AP129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 19 a 18 c 6 g 1 t
 and selected for ampicillin resistance.
 ORIGIN

Query Match 0.5%; Score 19; DB 13; Length 44;
 Best Local Similarity 100.0%; Pred. No. Se+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3844 tctgcgtgtgtgtgtgtgt 3862
 ||||||||||||||||||
 Db 41 TGTGCGTGTGTGTGTGT 23

RESULT 34
 A2506222 44 bp DNA GSS 05-OCT-2000
 LOCUS 1M0347H12F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 DEFINITION clone UUGC1M0347H12 F, DNA sequence.
 A2506222
 VERSION A2506222.1 GI:10687538
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE 1 (bases 1 to 44) Barber, M., Beacorn, T., Duval, B., Hamill, C.,
 AUTHORS Dunn, D., Aoyagi, A., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
 Islam, H., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.,
 and Wright, D., Weiss, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 TITLE Unpublished (2000)
 JOURNAL Contact: Robert B. Weiss
 COMMENT University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0347 row: H column: 12
 Seq primer: CGTGTAAACGACGCGCAGT
 Class: plasmid ends
 High quality sequence stop: 44.
 Location/Qualifiers
 1..44
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0347H12"
 /clone_1lb="Mouse 10kb plasmid UUGC1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PWD42ny; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adapted DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PWD42 (g1147321149b|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adapted mouse DNA was annealed to
 adapted vector DNA, and transformed into

BASE COUNT 0 a 8 c 22 g 14 t
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance.
 ORIGIN

Query Match 0.5%; Score 19; DB 13; Length 44;
 Best Local Similarity 100.0%; Pred. No. Se+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3844 tctgcgtgtgtgtgtgtgt 3862
 ||||||||||||||||||
 Db 25 TGTGCGTGTGTGTGTGT 43

RESULT 35
 A2789401 46 bp DNA GSS 16-FEB-2001
 LOCUS 2M0037F12F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 DEFINITION clone UUGC2M0037F12 F, DNA sequence.
 A2789401
 VERSION A2789401.1 GI:12930185
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE 1 (bases 1 to 46) Barber, M., Beacorn, T., Duval, B., Hamill, C.,
 AUTHORS Dunn, D., Aoyagi, A., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
 Islam, H., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.,
 and Wright, D., Weiss, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 TITLE Unpublished (2000)
 JOURNAL Contact: Robert B. Weiss
 COMMENT University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0037 row: F column: 12
 Seq primer: CGTGTAAACGACGCGCAGT
 Class: plasmid ends
 High quality sequence stop: 46.
 Location/Qualifiers
 1..46
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC2M0037F12"
 /clone_1lb="Mouse 10kb plasmid UUGC1M library"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PWD42ny; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adapted DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PWD42 (g1147321149b|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adapted mouse DNA was annealed to
 adapted vector DNA, and transformed into

BASE COUNT 15 a 24 c 9 g 1 t
ORIGIN

Query Match 0.5%; Score 19; DB 13; Length 49;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3844 tctgcgtgtgtgtgtgt 3862
|||||
DB 22 TGTGCTGTGTGTGTGT 4

RESULT 38
AZ96577 26 bp DNA GSS 27-APR-2001
LOCUS
DEFINITION 2M28216R Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M028216 R, DNA sequence.

ACCESSION
VERSION AZ96577.1 GI:13867804
KEYWORDS
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE
AUTHORS 1 (bases 1 to 26)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamll,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL
COMMENT Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0282 row: L column: 16
Seq primer: CACACAGAAACAGCATGACC
Class: plasmid ends
High quality sequence stop: 26.

FEATURES

source

1. 26
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M028216"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv. Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adapted DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PMD42 (g1473211419b1AF129072.1), a copy-number

BASE COUNT 1 a 1 c 11 g 13 t
ORIGIN

Query Match 0.4%; Score 18; DB 13; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3853 gtgtgtgtgtgtgtgt 3870
|||||
DB 9 GTGTGTGTGTGTGTGT 26

RESULT 39
AZ646963 27 bp DNA GSS 14-DEC-2000
LOCUS
DEFINITION 1M051C13R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0513C13 F, DNA sequence.

ACCESSION
VERSION AZ646963.1 GI:11777956
KEYWORDS
SOURCE house mouse.
ORGANISM Mus musculus

REFERENCE
AUTHORS 1 (bases 1 to 27)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamll,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL
COMMENT Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0513 row: C column: 13
Seq primer: CGTTGTAAACGACGCGCAGT
Class: plasmid ends
High quality sequence stop: 27.

FEATURES

source

1. 27
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0513C13"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PMD42nv. Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adapted DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative

of pMD42 (g11473211419b/AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance.

BASE COUNT

3 a 0 c 11 g 13 t

ORIGIN

Query Match 0.4%; Score 18; DB 13; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3849 ggtgtgtgtgtgtgtgtgt 3866

Db 3 GTGTGTGTGTGTGTGTGT 20

RESULT 40

LOCUS

R14943 31 bp mRNA EST 13-APR-1995

DEFINITION

yf94g04.r1 Soares infant brain INTB Homo sapiens cDNA clone IMAGE:30229 5' similar to gb:DI4838 GLIA-ACTIVATING FACTOR PRECURSOR (HUMAN); mRNA sequence.

ACCESSION

R14943

VERSION

EST.

KEYWORDS

GI:769216

SOURCE

human.

ORGANISM

Homo sapiens

REFERENCE

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

AUTHORS

1 (bases 1 to 31)

TITLE

Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Maita, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevasakis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.

JOURNAL

The WashU-Merck EST Project

COMMENT

Unpublished (1995)

CONTACT

Wilson, R.K.

ADDRESS

Washington University School of Medicine

CITY

4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108

TEL

Tel: 314 286 1800

FAX

Fax: 314 286 1810

EMAIL

Email: est@wustl.edu

INSERT SIZE

Insert Size: 1369

HIGH QUALITY SEQUENCE STARTS

High quality sequence starts: 1

SOURCE

Source: IMAGE Consortium, LNL This clone is available royalty-free through LNL; contact the IMAGE Consortium (info@image.lnl.gov) for further information. Trace considered overall poor quality

INSERT LENGTH

Insert Length: 1369

STD ERROR

Std Error: 0.00

SEG PRIMER

Seg primer: M13RP1

HIGH QUALITY SEQUENCE STOP

High quality sequence stop: 1

LOCATION/QUALIFIERS

1. 31

FEATURES

Location/Qualifiers

SOURCE

1. 31

ORGANISM

Homo sapiens

DB XREF

/db.xref="GDB:402576"

DB XREF

/db.xref="taxon:9606"

CLONE IMAGE

/clone="IMAGE:30229"

CLONE LIB

/clone.lib="Soares infant brain INTB"

SEX

/sex="female"

DEV STAGE

/dev.stage="73 days post natal"

LAB HOST

/lab.host="DH10B (ampicillin resistant)"

NOTE

/note="Organ: whole brain; Vector: lafmid BA; Site: 1: Not I; Site: 2: Hind III; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5', AACCTGAGAAATTCGGCGCCAGCAATTTTCTTTTCTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia); digested with Not I and directionally cloned into the Not I and Hind III sites of the lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M. Fatima Bonaldo."

BASE COUNT 3 a 0 c 14 g 13 t 1 others

ORIGIN

Query Match 0.4%; Score 18; DB 11; Length 31;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3859 ggtgtgtgtgtgtgtgtgt 3876

Db 8 GTGTATGTGTGTGTGTGT 25

RESULT 41

LOCUS

A2346705

DEFINITION

1M0082M02F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0082M02 F, DNA sequence.

ACCESSION

A2346705

VERSION

A2346705.1

KEYWORDS

GI:10425942

SOURCE

house mouse.

ORGANISM

Mus musculus

REFERENCE

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

AUTHORS

1 (bases 1 to 31)

TITLE

Dunn, D., Aoyagi, A., Barber, M., Beccorn, T., Duval, B., Hamli, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tilgney, A., von Niederhausen, A. and Wright, D., Weiss, R.

JOURNAL

Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

COMMENT

Unpublished (2000)

CONTACT

Contact: Robert B. Weiss

ADDRESS

University of Utah

CITY

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT

TEL

84112, USA

FAX

Tel: 801 585 5606

EMAIL

Fax: 801 585 7177

INSERT LENGTH

Email: ddunn@genetics.utah.edu

STD ERROR

Insert Length: 10000

ROW

Std Error: 0.00

SEG PRIMER

Plate: 0082, row: M column: 02

CLASS

Seg primer: CGTGTAAACGACGCGCAGT

HIGH QUALITY SEQUENCE STOP

Class: plasmid ends

LOCATION/QUALIFIERS

High quality sequence stop: 31.

SOURCE

Location/Qualifiers

1. 31

ORGANISM

Mus musculus

DB XREF

/db.xref="G57BL/6J"

DB XREF

/db.xref="taxon:10090"

CLONE IMAGE

/clone="UUGC1M0082M02"

CLONE LIB

/clone.lib="Mouse 10kb plasmid UUGC1M library"

SEX

/sex="Male"

LAB HOST

/lab.host="E. Coli strain XL10-Gold, T1-resistant, F-"

NOTE

/note="Vector: pMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (g11473211419b/AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells

BASE COUNT 0 a 4 c 15 g 12 t
 and selected for ampicillin resistance."

Query Match 0.4%; Score 18; DB 13; Length 31;
 Best Local Similarity 100.0%; Pred. No. 1.5e+03;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3845 gtgcgtgtgtgtgtgtgt 3862
 |||||
 Db 8 gtgcctgtgtgtgtgtgt 25

RESULT 42
 AA789803 34 bp mRNA EST 06-FEB-1998
 LOCUS vt79f06.r1 Barstead mouse irradiated colon MFLR87 Mus musculus cDNA
 DEFINITION clone IMAGE:1177379.5 similar to SW:XP_CERAE_P33194 POSSIBLE
 DNA-REPAIR PROTEIN XP-E; mRNA sequence.

ACCESSION AA789803
 VERSION AA789803.1 GI:2849923
 KEYWORDS EST.
 SOURCE house mouse.
 ORGANISM Mus musculus

REFERENCE
 AUTHORS Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisler, S., Kucada, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and Waterston, R.

TITLE The WashU-HMI Mouse EST Project
 JOURNAL Unpublished (1996)
 COMMENT Contact: Marra M/Mouse EST Project
 WashU-HMI Mouse EST Project
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810

Email: mouseest@wustl.edu
 This clone is available royalty-free through LINT; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 MGI:635227

Trace considered overall poor quality
 Possible reversed clone: similarity on wrong strand
 Seq primer: -28ml3 rev2 ET from Amersham
 High quality sequence stop: 1.

FEATURES
 source location/Qualifiers

1. 34
 /organism="Mus musculus"
 /strain="FVB/N"
 /db_xref="taxon:10090"
 /clone="IMAGE:1177379"
 /clone_11b="Barstead mouse irradiated colon MFLR87"
 /dev_stage="8 weeks"
 /lab_host="DH10B"
 /note="Vector: pT773D-Pac (Pharmacia) with a modified
 polylinker. Site 1: EcoRI; Site 2: NotI. Tissue obtained
 from 8 week old mouse. Colon was harvested 72 hours after
 irradiation with 1400 Gys. 1st strand cDNA was primed
 with a Not I - oligo(dT) primer.
 [5'TGTACGATCTGAGAGGAGGAGGCGCCCTTTTCTTTTCTTTTCTTTTCTTTT
 T 3'] double-stranded cDNA was ligated to Eco RI
 adaptors [AATTCGATCTTG], digested with Not I and cloned
 into the Not I and Eco RI sites of the modified pT773
 vector. Library constructed by Bob Barstead."

BASE COUNT
 ORIGIN

Query Match

0.4%; Score 18; DB 10; Length 34;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 3341 aagacagaccagccaca 3358
 |||||
 Db 17 aagacagaccagccaca 34

RESULT 43
 A2990901 34 bp DNA GSS 27-APR-2001
 LOCUS 2M0274N14R mouse 10kb plasmid UGC2M library Mus musculus genomic
 DEFINITION clone UGC2M0274N14 R, DNA sequence.

ACCESSION A2990901
 VERSION A2990901.1 GI:13862128
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus

REFERENCE
 AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamll, C., Islam, H., Longacre, S., Maimoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL Unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
 84112, USA

Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0274 row: N column: 14
 Seq primer: CACACAGGAACACCTATGAC
 Class: plasmid ends
 High quality sequence stop: 34.

FEATURES
 source location/Qualifiers

1. 34
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UGC2M0274N14"
 /clone_11b="Mouse 10kb plasmid UGC2M library"
 /sex="Female"
 /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: pMD29nv. Purified genomic DNA from M.
 musculus C57BL/6J (female) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adapted DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pMD2 (g114732114|gblat12072.1), a copy-number
 inducible derivative of plasmid RI. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adapted mouse DNA was annealed to
 adapted vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT
 ORIGIN

3 a 3 c 13 g 15 t

Query Match	0.4%	Score 18	DB 13	Length 33
Best Local Similarity	100.0%	Pred. No. 1	5c+03	
Matches 18	Conservative 0	Mismatches 0	Indels 0	Gaps 0
Q7	3859	gtgtatgtgtgtgtgtgtgtgt	3876	
Db	2	gtgtatgtgtgtgtgtgtgt	19	

	Query Match	Score 18:	DB 13:	Length 37:
	Best Local Similarity	100.0%:	Pred. No. 1.5e+03:	
Matches	18:	Conservative	0:	Mismatches 0; Indels 0;
QY	3844	tgtgcgtgctgtgtcgtcg	3861	
Db	35	tetgcctgctgtctgtcgg	18	

BASE COUNT
ORIGIN

15 a	18 c	3 g	1 t
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BASE COUNT
ORIGIN

1 a 0 c 18 g 19 t

